# LAND APPLICATION SITE ALAN D. BAGLEY LUADB 1-7 LUNENBURG COUNTY

### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

		BIOSOLIDS AND INDUS	TRIAL RESIDUALS
remains in effect until it is te the Landowner in the event individual parcels identified	rminated in writing by either p	party or, with respect to those els, until ownership of all parc lose parcels for which owners	cels changes. If ownership of
the agricultural, silvicultural attached as Exhibit A.	or reclamation sites identified	below in Table 1 and identific	SU OIT DIE TOX TIEP(9)
Table 1.: Parcels auth	norized to receive biosolids, w	rater treatment residuals or ot	her industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
37-A-38	tining the state of the state o	· 1000 数据 多数的多数的	Bearing State of a filter
37 - A - 35	\$		
37-A-35A		·	and the second s
	Through growing in addition the	· 我们,并不能进一口作为为的发力的 <b>有</b> 的。	STORES CONTRACTOR
and the survey of the street with the same	e description of the state of t		The state of the s
Additional parcels containing Land	Application Sites are identified on S	upplement A (check if applicable)	(編成的学習を) マーニー
In the event that the Landow within 38 months of the later 1. Notify the purchase later than the date of 2. Notify the Permittee The Landowner has no other notify the Permittee immediation or any part of incorrect.  The Landowner hereby gran agricultural sites identified a inspections on the land iden purpose of determining com	rner sells or transfers all or past date of biosolids application or transferee of the applicability of the property transfer; and of the sale within two weeks agreements for land applicately if conditions change such this agreement becomes invokes permission to the Permitte bove and in Exhibit A. The Latified above, before, during or pliance with regulatory requirer treatment residuals.	following property transfer.  Ition on the fields identified he hat the fields are no longer alid or the information herein e to land apply residuals as andowner also grants permiss after land application of permements applicable to such application waste	nagement restrictions no rein. The Landowner will available to the Permittee contained becomes pecified below, on the sion for DEQ staff to conduct nitted residuals for the
manner authorized by the VPA plan prepared for each land appropriate agrees to notify specifically prior to any particular particular properties.	Permittee, agrees to apply biosol Permit Regulation and in amour plication field by a person certifien the Landowner or the Landowner ar application to the Landowner's	ids and/or industrial residuals on its not to exceed the rates identified in accordance with §10.1-104.  T's designee of the proposed school and. Notice shall include the school and the	the Landowner's land in the led in the nutrient management of the Code of Virginia.  edule for land application and purce of residuals to be applied.
l reviewed the document(s) a document(s) available to DEQ	assigning signatory authority to the for review upon request. (Do not	he person signing for landowner signs check this box if the landowner signs  PO Box 562 Remi	above. I will make a copy of this this agreement)  ngton, Virginia 22734

Permittee – Authorized Representative Printed Name Mailing Address

#### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: _	Recyc Systems, Inc	County or City: _	Lunenburg
Landowner:	Alan D. Bagley		
,		•	
Landowner	Site Management Requirements		
application of t	piosolids, the components of biosolids and p	proper handling and land	mation regarding regulations governing the land d application of biosolids.
identified belov	on expressly advised by the Permittee that window must be complied with after blosolids have ensible for the implementation of these prac	e been applied on my b	quirements and site access restrictions roperty in order to protect public health, and
<ul> <li>biosolids at the</li> </ul>	) <b>site:</b> ,	and the second second	my ownership following the land application of
Notificat biosolid complet	tion Signs: I will not remove any signs post s land application site, unless requested by ed.	ed by the Permittee for the Permittee, until at lo	the purpose of identifying my field as a east 30 days after land application at that site is
2. Public A a.	Public access to land with a high potential	for public exposure sha	all be restricted for at least one year following
b. c.	application of biosolids. No biosolids ame	nded soil shall be excavisions are made to previous shall not be harve	ent public exposure to soil, dusts or aerosois; sted for one year after application of biosolids
a.	strictions: Food crops with harvested parts that touc not be harvested for 14 months after the a Food crops with harvested parts below the application of biosolids when the biosolids	pplication of biosolids. surface of the land sha	ure and are totally above the land surface shall all not be harvested for 20 months after the face for a time period of four (4) or more
đ	biosolids remain on the land surface for a Other food crops and fiber crops shall not	time period of less than he harvested for 30 day	all not be harvested for 38 months when the four (4) months prior to incorporation.  ys after the application of biosolids;  n of biosolids (60 days if fed to lactating dairy
Foll a.	k Access Restrictions: owing biosolids application to pasture or ha Meat producing livestock shall not be graze Lactating dairy animals shall not be graze Other animals shall be restricted from gra	ed for 30 days, d for a minimum of 60 d	ays.
applicati	nental commercial fertilizer or manure appl ons such that the total crop needs for nutri ad by a person certified in accordance with	ents are not exceeded a	ted with the biosolids and industrial residuals as identified in the nutrient management plan ie of Virginia;
6. Tobacco years fol	· · · · · · · · · · · · · · · · · · ·	e cadmium, should not l	be grown on the Landowner's land for three
Landowr	Busher's Signature	<u>.</u>	)(/ 4//3  Date/
Clando.	Buala - Ro. Bux 27		434-676-2577(H) 434 480-6822(C) UG 23944
Farm Op	perator agnatule	ð M	ailing Address & Phone Number

#### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APP	LICATION AGREEMENT	- BIOSOLIDS AND INDU	SIRIAL RESIDUALS
here as "Landowner", and _ remains in effect until it is to the Landowner in the event individual parcels identified	Recyc Systems, Inc, reminated in writing by either of a sale of one or more partire this agreement changes, t	6-13 between Meland eferred to here as the "Permi party or, with respect to those cels, until ownership of all parthose parcels for which owner siduals under this agreement.	e parcels that are retained by reels changes. If ownership of ship has changed will no
the agricultural, silvicultural attached as Exhibit A.	or reclamation sites identifie	ty located in Lunchous d below in Table 1 and identif	led on the tax map(s)
Table 1 Parcels aut	horized to receive blosolids,	water treatment residuals or c	ther industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
37-A-38		· · · · · · · · · · · · · · · · · · ·	o de la companya della companya dell
37-A-35	· · ·		
	इंग्लंबर इंग्लंबर विश्व है।		A-872 A 1-10 A
The state of the s	P. B. Charles of distribution of the Section	se de la company	e that the group
		Supplement A (check if applicable)	
<b>⊠</b> The	e Landowner is one of multip	er of the properties identified le le owners of the properties id	entified herein.
within 38 months of the late  1. Notify the purchase later than the date of the later than the date of the later than the date of the later than the later t	est date of biosolids application of the property transfer; and of the sale within two weeks	ble public access and crop makes following property transfer.	anagement restrictions no
notify the Permittee immedi	ately if conditions change SU	ation on the fields identified he chart the fields are no longe valid or the information herein	r available to the Perimitiee
agricultural sites identified a inspections on the land ider purpose of determining com	above and in Exhibit A. The lantified above, before, during of a political properties of the land and the lan		mitted residuals for the oplication.
☑ Yes ☐ No ☑ Ye	s □ No 🗵	Yes □ Nó	Yes □ No
Metinda Pagley Landowner – Printed Name, Title		Bagle Pobox 27	7 Kenbrydol VA 2314- ng Address & Phone Alumber 434-676-25
Recyc Systems, Inc., the I	Permittee, agrees to apply bioso Permit Regulation and in amou	· · ·	n the Landowner's land in the ified in the nutrient management
The Permittee agrees to notify specifically prior to any particul	the Landowner or the Landowner application to the Landowner	er's designee of the proposed so 's land. Notice shall include the s	hedule for land application and source of residuals to be applied.
☐ I reviewed the document(s) document(s) available to DEQ	assigning signatory authority to for review upon request. (Do no	the person signing for landowner t check this box if the landowner sign	above. I will make a copy of this s this agreement)
$\Theta_{\alpha}$	Or .	PO Boy 562 Rem	ington Virginia 22734

Printed Name Page 1 of 2 Rev 9/14/2012

Signature

Permittee - Authorized-Representative

Mailing Address

Perm	nittee: _	Recyc Systems	s, Inc	County or City:	Lunenburg
Land	lowner:	Melinda	Bagley		
Lanc	lowner	· Site Manageme	nt Requirements		
I, the	Landowr	ner, I have received a biosolids, the compor	DEQ Biosolids Fact Stents of biosolids and I	theet that includes info proper handling and la	rmation regarding regulations governing the lan
l <u>have</u> identif that l	also bed fied belov am respo	en expressly advised w must be complied v onsible for the implem	by the Permittee that vith after biosolids hav rentation of these prac	the site management rebeen applied on my stices.	equirements and site access restrictions property in order to protect public health, and
l agre bioșol	lids at the	site:	化基础 化氯甲烷基甲烷基甲烷	ing the second second	my ownership following the land application of
1.	Notifica biosolid complet	s land application site	emove any signs post , unless requested by	ed by the Permittee for the Permittee, until at	r the purpose of identifying my field as a least 30 days after land application at that site i
2.	Public A	Access	<del>nan</del> an an ang palamanya sa pala	San ingga manang	The professional for at least one was following
	a.	المؤاف والمساف والمسور والمساور	a a a lida		nall be restricted for at least one year following
	b. c.	Public access to lar application of biosol same period of time	id with a low potential lids. No biosolids ame unless adequate province biosolids are at	ended soil snall be exc visions are made to pre- solied shall not be han	all be restricted for at least 30 days following an availed or removed from the site during this event public exposure to soil, dusts or aerosois; ested for one year after application of biosolids
		when the harvested otherwise specified	turf is placed on eithe	r land with a high pote	ntial for public exposure or a lawn, unless
3.	Crop Re		Control of the state of the state of	en de la companya de La companya de la co	wine and are totally phone the land surface shall
	a.	and he becaused for	· 4.4 months affor the s	analication of biosolids	ture and are totally above the land surface shall
	b.	Canal annua with her	viorted parte below the	a surface of the land si	nall not be harvested for 20 months after the inface for a time period of four (4) or more
		months prior to inco	rporation into the soil,	e surface of the land si	hall not be harvested for 38 months when the
	c. d. e.	biosolids remain on	the land surface for a	time period of jess that he harvested for 30 da	n four (4) months prior to incorporation. ays after the application of biosolids; on of biosolids (60 days if fed to lactating dairy
	ing Pagas	animals).	ত ক্রিয়ের ক্রিক্র স্থানির প্রতি উল্লেখ্য বুলি চেন্দ্রের প্রতিক্রিয়াল সংগ্রহ	ing Telephone (International Section (International Section (International Section (Internation (International Section (International Sec	ाक्षा प्रकार के प्राप्त के मानिक हैं है। के तो करता के महाराज के कि लिख महाने के प्राप्त के पार्ट के लिख महाने
4.	Livesto	k Access Restriction	s: ication to pasture or h	avland sites:	para di Aren establishe et la lettera et let
	2	Mest producing live	stock shall not be gra:	zed for 30 days, ed for a minimum of 60	
	C.	Other animals shall	be restricted from gra	zing for 30 days;	
5.			at area paade for putri	ients are not exceeded	ated with the biosolids and industrial residuals as identified in the nutrient management plande of Virginia;
6.	Tobacco	o, because it has bee	on shown to accumulation of biosolids or indus	te cadmium, should no strial residuals which b	t be grown on the Landowner's land for three ear cadmium equal to or exceeding 0:45
	pour la		ร์ <b>ส</b> ์ โปล์ ซึ่งมี ค.สมุศ ส. 15.		unio del menero del del Martino del Ligorità del del Companyone de
M	Qual	da Barle	en e	<u> </u>	11/16/13
, <u> </u>	Landow	ner's Signature			Date
					*
		•			
			<del></del> .		Mailing Address & Phone Number
	Farm O	perator Signature			Mailling Address a Lucite Milliner

### FARM DATA SHEET

SITTE NAME:	Alan D. Bagley	COMMILAY.	Lumenburg
OWNER:	Marvin G. amd Alan D. or Melinda Bagley	<b>OPERATOR</b> R	Alan D. Bagley
OWNERS	P.(Q). Bloox 277	OPERATOR'S	P.O. Box 277
ADDRESSS	Kæmbridge, VA 23944	ADDRESSS	Kæmbridge, VA 23944
OWNERS TELEPHOONE	434-676-2577	OPERATOR'S TELEPHIONIE	434-676-2577
GENERAL FARM Type:	Hay/ Pasture	CELL PHONE:	434-480-6822
# CATITUEE	25	EMAIL:	•
LAGOON or SLURRY	None	LATIMUDE	36°58′27″
TOPO QUIAD:	Kembridge East	LONGITUDE	78°04′09″
COMMENTS: Marvin G. Bagley is no inherited his share.	ow deceased. Alan D. Bagle	y, his son, and Melinda Bagley,	his daughter-in-law
	<del></del>	47-	

## RECYC SYSTEMS, INC FIELD DATA SHEET

Field	Gross	Env	/ironnendally	Semsitive S	oills	Lhudaa	Tax	FSA
Identification	Acres	Water Table	Bed Rock/Shalltow	Sunff/Leeach	Freq Flood	Hydro   Map	Map#	Tract #
LUADB 1	8.6	-	_	÷	<del>-</del> -	CU 07	TM 33774A338	T 33
LUADB 2	8.6	-	-		, <u>-</u>	CU 07	TM 33774A338	T 33 F 11
LUADB 3	11.9	-	-	-	-	CU 07	TM 33774A338	T 33 F 44
LUADB 4	7.5	-	-	4-	4	CU 07	TM 33774A338	T 33 F 44, 6
LUADB 5	11.3	-	-		<u>.</u>	CU 07	TM 33774A338	T 33 F 77
LUADB 6	<b>15</b> .9	-	-	-	4	CU 07	TM 33774A338	T33 F99
LUADB 7	2.5	-	-	-	<u>.</u>	CU 07	TM 33774A338	T 33 F 55
						<u> </u>		
							·	
TOTAL ACRES IN SITE	66.3				,			

#### Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:

Recyc Systems Inc.

Site Name:

Alan D. Bagley

County or City:

Lunenburg

Please Print

Signature not required on this page

Tax Parcel ID(s)	Landowners (s)
37-A-38	Marvin G. and Alan D. or Melinda Bagley
37-A-35	Alan D. or Melinda B. Bagley
37-A-35A	Alan D. Bagley
<u> </u>	
	·

.ige⁻. ". .

Report Number: 13-322-0860 Account Number: 70594 CHL.

Mehlich 3

ppm

86

**Phosphorus** 

ppm

Rate

Н

Reserve

Rate

A&L Eastem Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Magnesium

Mg

ppm

105

Rate

H 520

Send To: RECYC SYSTEMS INC

Lab

Number

08390

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

Submitted By: BB Farm ID:

рΗ

Buffer

Index

6.86

Soll

рΗ

6.0

Acidity

н

meg/100g

0.7

C.E.C

mea/100g

ALAN D BAGLEY LUNENBURG CO.

SOIL ANALYSIS REPORT

**Potassium** 

Κ

Rate

Analytical Method(s):

Rate

М

Sodium

Na

Rate

ppm

Mehlich 3

Calcium

Ca

ppm

Date Received: 11/18/2013

Sample ID

Fleid ID

**LUADB** 

Date Of Analysis: 11/19/2013

**ENR** 

lbs/A

82

**Organic Matter** 

Rate

%

1.9

Date Of Report: 11/19/2013

ppm

60

	<del>                                     </del>	_ +							<u> </u>						1	i			ŀ	1	·   •	
2 LUADB	08391		1.1	L		68	147	VH			74	М	88	Н	388	М			6.4	6.9	0 0.3	3.1
3 LUADB	08392	2	3.0	М		99	65	н			93	М	220	н	967	M		•	6.3	6.8	5 0.8	7.7
4 LUADB	08393	'	2.3	L	<del>-</del>	87	105	VH			87	L	182	Н	875	M			6.6	6.89	9 0.4	6.5
5 LUADB	08394		1.5	L		75	159	VH			46	L	88	н	435	М		<del></del>	6.0	6.87		3.6
Samula ID		Perc	ent Ba	se S	aturet	ion	$\overline{}$	Nitrate	Sul	fur	Zinc	Me	nganese	<del></del>	 on		·		<del>_</del>	<u> </u>		
Sample ID Field ID	K %	Mg %	Ca %		Na %	H %	pį	NO <sub>3</sub> N pm Rate	s		Zn	te ppп	Mn	+	е	Copper Cu ppm Ra	te ppn	B	Soluble	S	Chloride Cl	Aluminum Al
1 LUADB	3.6	20.3	60.	5		15.4										pp Na	he bhu		ms/cm	Mate	ppm Rate	ppm
2 LUADB	6.1	23.7	62.	6		9.1	1	<u></u>		·		-					<del> </del>	<del></del>	<u> </u>			
3 LUADB	3.1	23.8	62:	8	<del></del>	10.6			<del></del>			+-		<del> </del>		<u>                                       </u>	+-					
4 LUADB	3.4	23.3	67.3	3		5.9								<del>                                     </del>	·- <u>-</u>	<u>                                     </u>	<u> </u>		<u> </u> 			<del> </del>
5 LUADB	3.3	20.4	60.4	4	<del></del> -	15.3		<del></del>				<del>                                     </del>				<u></u>	+-	· _				

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Paurie Mc George

Report Number: 13-322-0860 Account Number: 70594 MYLL)

www.aleastern.com

A&L Eastern Laboratories
7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

Submitted By: BB

ALAN D BAGLEY LUNENBURG CO

Farm ID:

Date Received: 111//18822013

Bate Of Repart: 111/16920013 SOI

#### SOIL-FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P205 lb/A	Potash K <sub>j</sub> O Ib/A	Magnesium Mg Ib/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn Ib/A	Iron Fe Ib/A	Copper Cu Ib/A	Boron B Ib/A
1 LUADB	Adjust pH to 6.8	0	1.3				0						
2 LUADB	Adjust pH to 6.8	0	1.0			· · ·	0				<del>-</del> :		
3 LUADB	Adjust pH to 6.8	0	1.0				0				<del></del> _		
4 LUADB	Adjust pH to 6.8	0	1.0	. <u>-</u>		<del>-</del> -	0						<del></del>
5 LUADB	Adjust pH to 6.8	0	1.3			<u> </u>	0						

#### Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric Mc George

Pauric McGroary

**Report Number: 13-322-0860** 

Account Number: 70594

ALL.

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

ALAN D BAGLEY LUNENBURG CO

Submitted By: BB

Farm ID:

#### **SOIL ANALYSIS REPORT**

Analytical Method(s):

Mehlich 3

Date Received: 11/18/2013

Date Of Analysis: 11/19/2013

Date Of Report: 11/19/2013

Sample ID	Lab	Or	ganic Ma	atter	<u> </u>	Phos	phorus		Pot	assium	Mag	Magnesium		clum	Sod	lium		<u></u>	Acidity	C.E.C
Field ID	leid ID Number % Rate ENR Mehlich		Res ppm	erve Rate	ppm	K Rate	ppm	Mg Rate	ppm	a Rate	ppm N	a Rate	Soil pH	Buffer Index	H meq/100g	meg/100g				
6 LUADB	08395	2.6	М	94	44	M			142	H	158	Н	628	М			6.2	6.86	0.7	5.5
7 LUADB	08396	2.8	м	97	81	Н		<u> </u>	56	L	162	Н	740	М			5.7	6.79	1.4	6.6

Sample ID		Perce	nt Base	Saturati	оп	Nitr	ate	Sı	ılfur	Zi	пс	Mang	anese	h	on	Cor	рег	Во	ron	Soluble	Salts	Chic	oride	Aluminum
Field ID	K   %	Mg %	Ca %	Na %	H- %	NO.	3	ppm	S Rate	ppm	n Rate	ppm N	In Rete	ppm	Fe Rate:	C ppm		ppm	9	S:	-	-	) 	Al
6 LUADB	6.6	23.9	57.1		12.1									PPIII		pp	Tiale	ppin	Late	ms/cm	Hate	ppm	Rate	ppm
7 LUADB	2.2	20.5	56.1		21.0										<u>.</u>		<del>- ,.</del>							

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salls ms/cm x 640 = ppm.

This report applies to sample(s) lested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Paurie Mc George

Pauric McGroary

. .ge i

Report Number: 13-322-0860 Account Number: 70594 MANUAL STEPPENS

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

Submitted By: BB

ALAN D BAGLEY LUNENBURG CO

Farm ID:

Date Received: 11/18/2013

Date Of Report: 11/19/2013

#### SOIL FERTILITY RECOMMENDATIONS

Sample IDD Field IDD	Intended Coopp	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P <sub>2</sub> O <sub>5</sub> lb/A	Potash KiO Ib/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe Ib/A	Copper Cu Ib/A	Boron B Ib/A
6 LUADB	Adjust pHio 6086.8	0	1.3			· · · · · · · · · · · · · · · · · · ·	0			<u> </u>			
7 LUADB	Adjust ppt-Hio 66-86.8	0	1.8				0	<u></u>					

#### Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paurie Mc George

Pauric McGroary

#### THE PLANNER IS NOT STATE CERTIFIED

### Nutrient Management Plan Balance Sheet (Fall, 2013-Winter, 2015) Alan D. Bagley Planner: Recyc Systems, Inc

Tract: 3 Location: Lunenburg
(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Сгор	Needs N-P-K (lbs/ac)	/Man	Manure/Biosld Rate & Type (season)	(d)	Man/Bios N-P-K (Ibs/ac)	Net = Needs - appld N-P-K (lbs/ac)	P	Commercial N-P-K (lbs/ac)	Notes	
3/LUADB 1(N)	9/9	2013	Grass Pasture	50-0-50	0/0	·	$\dashv$	<del> </del> -	50-0-50	N/A	<del> </del>	<del>                                      </del>	
1/LUADB 2(1P)	9/9	2013	Grass Pasture	50-0-40	0/0	<u> </u>	+		50-0-40	20		<del>                                     </del>	
4/LUADB 3(N)	12/12		Grass Pasture	50-0-40	0/0		+	<del></del>	50-0-40	<del></del>		<del> </del>	<del></del> -
1, 6/LUADB 4(N)	8/8	-	Grass Pasture	50-0-40	0/0		┪—		<del></del>	N/A		<u> </u>	
//LUADB 5(1P)	11/11		Grass Pasture	50-0-60	0/0			<u> </u>	50-0-40	N/A		<b>.</b>	ļ
P/LUADB 6(N)	16/16			50-30-0			—		50-0-60	20		L	
					0/0			L	50-30-0	N/A	İ		
5/LUADB 7(N) 	3/3	2013	Fes-grass/clover hay	0-40-110	0/0		T		0-40-110	N/A			

**Commercial Application Methods:** 

br - Broadcast ba - Banded sd - Sidedress

Notes:

#### Soil Test Summary

Tract	Field	Acre	Date	P2O5	K20	Lab	Soil	Lime	rec. lime
3 3 3 3	LUADB 1 LUADB 2 LUADB 3 LUADB 4 LUADB 5	12 8	2013-Fa 2013-Fa 2013-Fa 2013-Fa	H (86 P ppm) VH (147 P ppm) H- (65 P ppm) H+ (105 P ppm) VH (159 P ppm)	M- (60 K ppm) M (74 K ppm) M (93 K ppm) M (87 K ppm) L+ (46 K ppm)	A&L MIII A&L MIII A&L MIII A&L MIII A&L MIII	6. 6.4 6.3 6.6 6.	Date	tons/Ac_
<i>3</i>	LUADB 6 LUADB 7	16 3		M+ (44 P ppm) H (81 P ppm)	H- (142 K ppm) M- (56 K ppm)	A&L MIII A&L MIII	6.2 5.7		

#### Field Productivities for Major Orops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environneentaal Warnings
3	3/3	LUADB 1	9	Appling	<b>IV</b> b	IV		IV	<del> </del>
	3/1	LUADB 2	9	Appling	<b>IV</b> b	111	III	ΪV	
	3/ <del>4</del>	Luade 3	12	Appling	IVb	ĪV	111	ΪV	
	3/4, 6	LUADB 4	8	Appling	<b>IV</b> b	III	111	ΪV	
	<b>3/7</b>	LUADB 5	11	Appling	<b>IV</b> b	III	111	ΪV	
	3/9	LUADB 6	16	Appling	IVb	ΪV	111	ΪV	
	3/5	LUADB 7	3	Caroline	<b>IV</b> a	H	Not	ΪV	
							Suited		

#### Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Ilintensive Wheat Bu//Acre	Std: Wineat Bu/Acre	Alfalfa Tons//Acre	Grass//Hay Tons//Acre
h	≥170	<b>≽8</b> 0	<u>&gt;64</u>	 ≽6	<b>≥4.0</b>
11	150-170	<b>70-8</b> 0	56-64	4-6	3.5-4.0
<b>\\</b>	130-150	60-70	48-56	<b>≪4</b>	3.0-3.5
IV .	100-130	<b>50-6</b> 0	40-48	NA	≼3.0
<b>∀</b>	<b>€100</b>	<b>≪5</b> 0	<b>≼40</b>	NA	NA

#### **Farm Summary Report**

Plan:

**New Plan** 

Fall, 2013 - Winter, 2015

Farm Name:

Alan D. Bagley

Location:

Lunenburg

Specialist:

Recyc Systems, Inc.

N-based Acres: 46.4 P-based Acres: 19.9

**Tract Name:** 

3 FSA Number: 3

Location:

Lunenburg

Field Name:

LUADB 1

Total Acres:

8.60 Usable Acres: 8.60

FSA Number: Tract:

Location:

Lunenburg

Slope Class:

Hydrologic Group:

₿

Riparian buffer width: 0 ft Distance to stream: 0 ft

3

3

C

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

PH

K

Lab

Fa-2013

6.0

H(86 P ppm)

M-(60 K ppm)

A&L MIII

Soils:

PERCENT

SYMBOL

**SOIL SERIES** 

42 1B2 Appling 50 1C2 Appling 8 4B Caroline

#### Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2013-Fa 3.2 \* acres/AU Orchard grass/fescue pastures<=25% legume, maint. - No Till

В

Field Name: Total Acres:

LUADB 2

Acres: 8.60 Usable Acres: 8.60

FSA Number: 1 Tract: 3

Location:

Lunenburg

Slope Class: B Hydrologic Group:

Riparian buffer width: 0 ft

#### Conservation Practices:

Distance to stream: 0 ft

Pasture (>75% cover)

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K

Fa-2013 6.4 VH(147 P ppm) M(74 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

68 1B2 Appling 7 1C2 Appling 25 4B Caroline

#### Field Warnings:

Crop Rotation:

PLANTED **YIELD** 

**CROP NAME** 

2013-Fa

3.4 \* acres/AU

Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name:

LUADB 3

**Total Acres:** 

11.90 Usable Acres: 11.90

FSA Number: Tract: 3

Location:

Lunenburg

Slope Class: С Hydrologic Group:

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

PH Р

K

Lab

Fa-2013

6.3 H-(65 P ppm) M(93 K ppm)

A&L MIII

Soils:

**PERCENT** 

SYMBOL

**SOIL SERIES** 

26 71 1B2 1C2

**Appling** Appling

3

4B

Caroline

#### Field Warnings:

Crop Rotation:

PLANTED

YIELD

**CROP NAME** 

2013-Fa

3.1 \* acres/AU

Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name:

**LUADB 4** 

Total Acres:

7.50

Usable Acres: 7.50

FSA Number: Tract:

4, 6 3

Location:

Lunenburg

Slope Class:

С Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

РΗ

Р

K

Lab

Fa-2013

6.6

H+(105 P ppm)

M(87 K ppm)

A&L MIII

Soils:

PERCENT

SYMBOL

SOIL SERIES

67 33 1C2 4B

Appling Caroline

Field Warnings:

Crop Rotation: **PLANTED** 

YIELD

**CROP NAME** 

2013-Fa

3.5 \* acres/AU

Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name:

**LUADB 5** 

Total Acres:

11.30 Usable Acres: 11.30

FSA Number: Tract:

7 3

Location:

Lunenburg

Slope Class:

С

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

P-based(1.0)

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Fa-2013 6.0 VH(159 P ppm) L+(46 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

16 1B2 Appling 56 1C2 Appling 28 4B Caroline

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2013-Fa 3.4 \* acres/AU Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: LUADB 6

Total Acres: 15.90 Usable Acres: 15.90

FSA Number: 9 Tract: 3

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH

Κ

Lab

Fa-2013

6.2

M+(44 P ppm)

H-(142 K ppm)

A&L MIII

Soils:

**PERCENT** 

SYMBOL

**SOIL SERIES** 

66

1B2

Appling

34

1C2 Appling

#### Field Warnings:

Crop Rotation:

**PLANTED** 

YIELD

**CROP NAME** 

2013-Fa

3.1 \* acres/AU

Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name:

LUADB 7

Total Acres:

Usable Acres: 2,50 2.50

FSA Number: 5 Tract:

В

Location:

Lunenburg

Slope Class:

Hydrologic Group:

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PΗ Р

K

Lab

Fa-2013

5.7

H(81 P ppm)

M-(56 K ppm)

A&L MIII

Soils:

**PERCENT** 

SYMBOL

**SOIL SERIES** 

26 74

1C2 **Appling** 

4B Caroline

Field Warnings:

Crop Rotation: PLANTED

YIELD

**CROP NAME** 

2013-Fa

2.5 \* tons

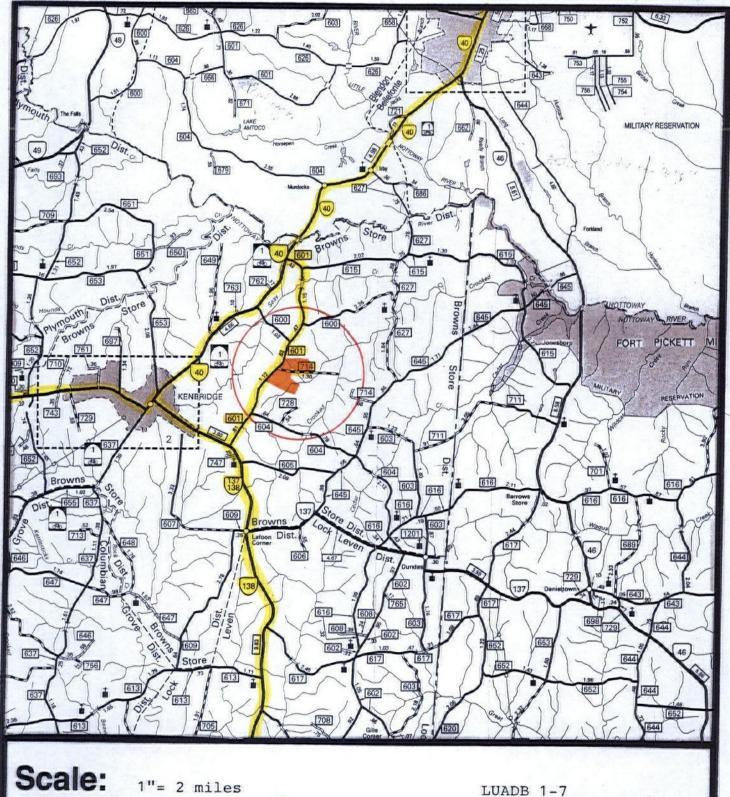
Fescue grass-Ladino clover (hay), maint. - No Till

## MAPS

## Recyc Systems...

### (Biosolids Land Application)





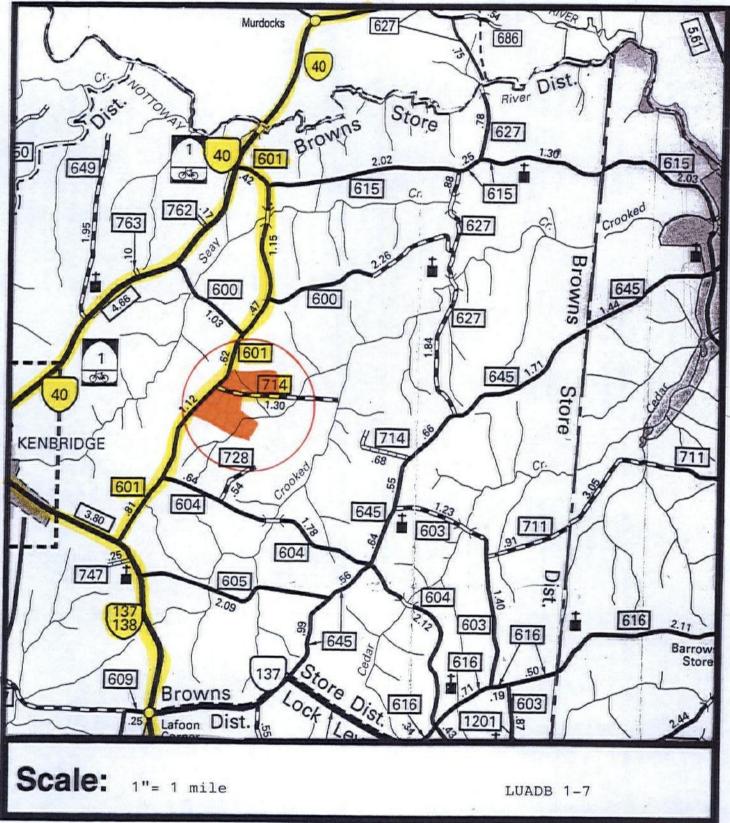
VICINITY MAP

N

## Recyc Systems.

(Biosolids Land Application)





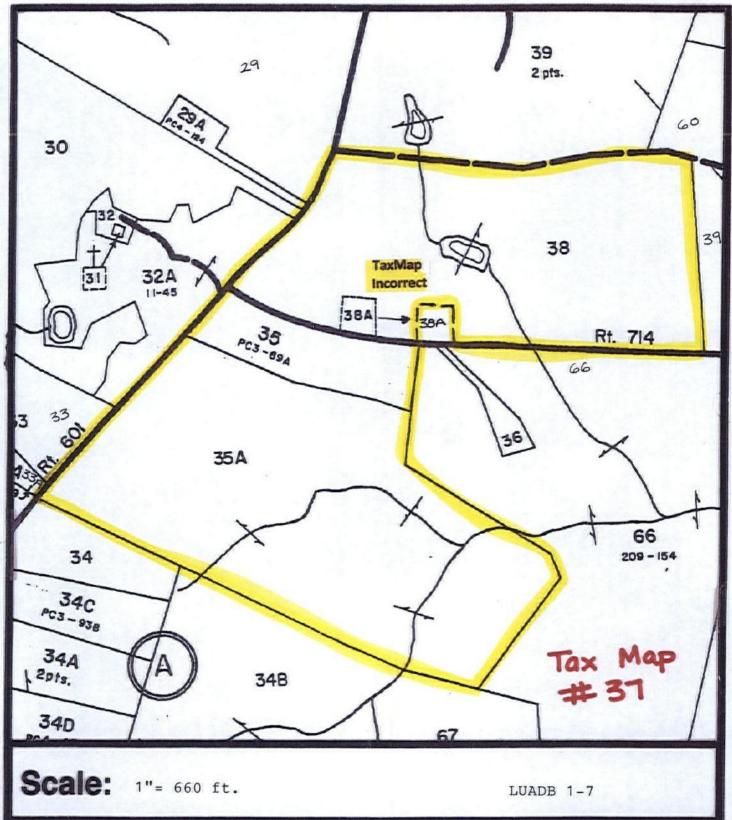
VICINITY MAP

NA A

## Recyc Systems...

(Biosolids Land Application)





TAX MAP

NA

### **ADJOINING LANDOWNERS**

### Alan D. Bagley

### **LUNENBURG COUNTY**

Tax Map	Parcel #	Owner Name(s)
		·
37-A	29	William J. or Kathy G. Coffee
	29A	Hannah C. Guarino or Kathy G. Coffee
	30	Tim and Joel Cathey Tucker
	32A	Everett Lee or Nancy A. Pennington
	33	Francis G. Fowler
	33A	Timothy M. or Rebecca L. Fowler
	34	Francis G. Fowler
,	34B	Robert L. or Aimee B. Parsons
	36	Cornelius and Florence Johnson
	39	Richard T. or Carolyn H. Hite
	60	Richard T. or Carolyn H. Hite
	66	Commonwealth Forest Investments Inc.
	67	Commonwealth Forest Investments Inc.
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# Recyc Systems. Inc. (Biosolids Land Application)





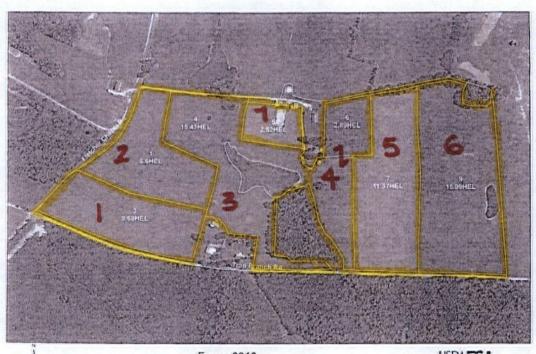
Scale: 1"= 660 ft.

LUADB 1-7

## Recyc Systems.

(Biosolids Land Application)





We had Debrotonian Size Mars

Farm: 3916 Tract: 3

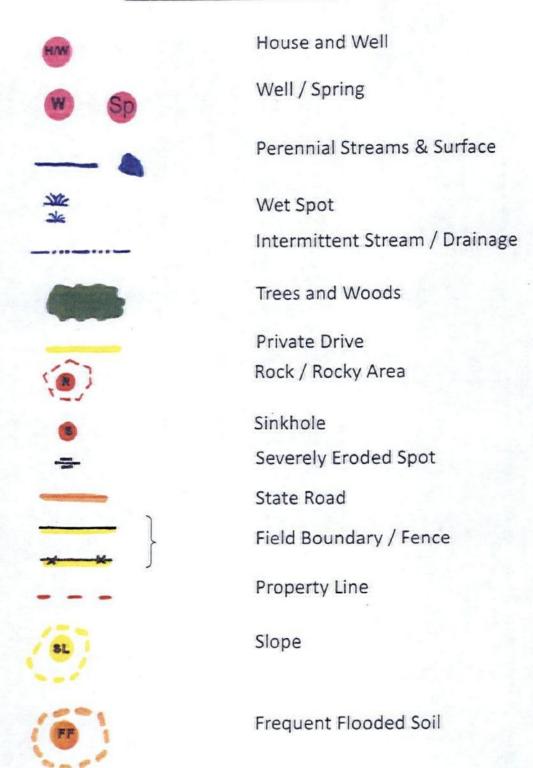
Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area, Refer to your original dermination (CPA-025 and attached maps) for exact wetland boundaries and determinations, or contact NRCS. USDAFSA

Lunenburg County, Va.

Scale: 1"= 660 ft.

LUADB 1-7

#### Legend for Site Plan



## Recyc Systems...

(Biosolids Land Application)





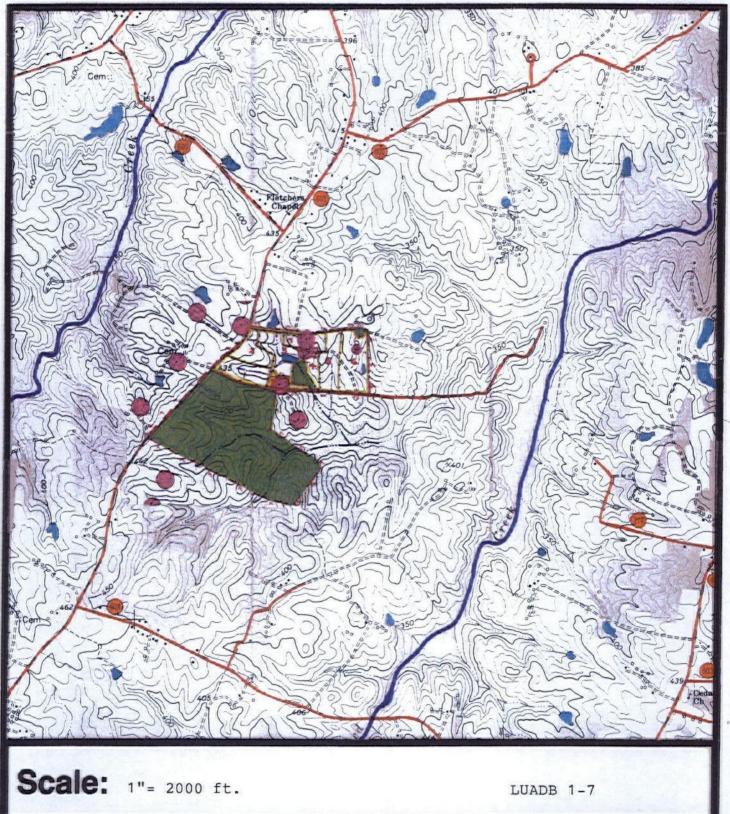
SITE PLAN

N

## Recyc Systems...

(Biosolids Land Application)





**TOPOGRAPHIC MAP** 

N A